Claims:

- 1. An optical connector comprising a supporting block, a pair of guide pins protruding from said mounting block for mating with a connecting component, an array of active optical components recessed into said supporting block so that a void is present between said active optical components and optic fibers carried by said connecting component, and a transparent filler material filling said void and providing a light path between said active optical components and said optic fibers.
- 2. An optical connector as claimed in claim 1, wherein said transparent filler material is silicone.
- 3. An optical connector as claimed in claim 2, wherein said mounting block is a heat sink.
- 4. An optical coupling comprising a first connector portion and a second connector portion mating with said first connector portion, said first connector portion comprising: mounting block;
 - a pair of guide pins protruding from said mounting block;
 - an array of active optical components recessed into said mounting block; and said second connector portion comprising:
 - a supporting block;
- a bundle of optic fibers carried by said supporting block terminating at an end face of said supporting block; and

wherein a void is present between said active optical components and said end face of said supporting block, and a transparent filler material fills said void to provide a light path between said active optical components and said optic fibers.

- 5. An optical coupling as claimed in claim 4, wherein said transparent filler material is silicone.
- 6. An optical coupling as claimed in claim 5, wherein said supporting block of said second portion is transversely sliced.
- 7. An optical coupling comprising a pair of optical fibers with abutting ends defining a void therebetween, and a transparent filler material in said void to couple said optical fibers together.